

METHOD OF MONITORING A FILTER SYSTEM FOR A PAINT SPRAY BOOTH

ABSTRACT

(054) The invention is a method of monitoring a filter for absorbing paint particles produced during spray painting with a spray gun in a paint spray booth coupled to an exhaust pump, the method comprising the steps of: 1) installing a filter between the booth and exhaust pump; 2) determining the initial pressure drop across a filter prior to use of the spray booth; 3) determining the maximum allowable pressure drop for the filter prior to the requirement that spraying activities must be terminated by adding the initial pressure drop of the filter to the maximum allowable increase in pressure drop across the filter before the of spraying activities must be terminated; 4) providing a warning when a first portion of the maximum allowable pressure drop is reached; and 5) preventing the use of the spray gun when a second portion, greater than the first portion, of the maximum allowable pressure drop is reached.